DISCIPLINE FILE

1. Data about the programme

1.1.	"CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY
1.2.	FACULTY OF DENTISTRY
1.3.	DEPARTMENT III
1.4.	DISCIPLINE NEUROLOGY
1.5.	DOMAIN OF STUDY: HEALTH – Sectorally regulated within the European Union
1.6.	STUDY CYCLE: LICENCE
1.7.	STUDY PROGRAME: DENTAL MEDICINE (ENGLISH)

2. Data about discipline

2.1.	Name of the discipline in the educational plan: NEUROLOGY				
2.2.	Discipline code: MD04S05EN				
2.3.	Discipline type (FD/SD/CD): SD				
2.4.	Discipline regimen (MD/OPD/): MD				
2.5.	The holder of the course activities PROF DR OCTAVIANA ADRIANA DULAMEA				
2.6.	The holder of the seminar activities : PROF DR OCTAVIANA ADRIANA DULAMEA				
2.7. Year of study	IV	2.8. Semester	VII,VIII	2.9. Type of evaluation (E/C)	E

3.Total estimated time (hours/semester of didactic activity an self preparation/study

I. Academic training (teaching, practical application, assessment)						
3.1. Nr hours/week	3	From which:	3.2. lecture	1	3.3. seminary/ laboratory	2
3.4. Total hours of educational plan	42	From which:	3.5. lecture	14	3.6. seminary/ laboratory	28
Evaluation (nr. of hours) : 2 hours						
II. Self preparation/study						
Time allocation						hours
Study of course materials, textbooks, books, study of the recommended minimal bibliography						14
Additional research in the library, research through the internet						14
Performing specific activities for preparing projects, laboratories, elaborating reviews or other tasks						14
Specific preparation activities for projects, laboratory work, assignments, and reports						14
Tutoring						14
Other activities						8
3.7. Total individual study hours						78

3.8. Total hours per semester (3.4.+ 3.7.)	**120**
3.9. Number of credits	**4**

4. Preconditions (where applicable)

4.1. of curriculum	
4.2. of competences	

5. Conditions (where applicable)

5.1. to conduct the lecture	Classroom equipped with video projector, projection screen, and PC.
5.2. to conduct the seminar / laboratory	Practical work room equipped with television, laptop, and wards from the Neurology Clinic IC Fundeni with 1–6 beds.

6. Learning outcomes

Knowledge	Skills	Responsibility and autonomy
The student describes, analyzes, and evaluates the etiopathogenic mechanisms, risk factors, clinical and paraclinical manifestations, as well as the principles of diagnosis and treatment specific to neurological disorders, with particularities relevant to dentistry/dental medicine.	The student demonstrates, interprets, and correctly uses clinical and paraclinical methods and techniques for the diagnosis and assessment of neurological and mental health disorders.	The student plans, integrates, and coordinates, under appropriate supervision, specific interventions for patients with neurological disorders.

7. Course objectives (aligned with the learning outcomes)

7.1. General objective	The acquisition of knowledge related to neurological pathology and its implications in dental practice
7.2. Specific objective	Identification of neurological disorders and management of patients with neurological conditions in dental practice.

8. Contents

8.1. Lecture	Teaching methods	Observations
Lecture 1: Concepts of neurobiology and neurophysiology, notions of anatomy, semiology, and pathology of the cranial nerves	PowerPoint presentation that includes videos or images of patients with the pathology described in the lecture, as well as imaging or neurophysiological investigations and neurocognitive assessment	2 HOURS The cases presented are either from the pathology of the Neurology Clinic IC Fundeni with the patients' consent, or from the specialized bibliography.

Lecture 2: Neurological semiology (motility disorders, cerebellar, extrapyramidal, sensory, lobar syndromes and thalamic syndromes)		2 HOURS The cases presented are either from the pathology of the Neurology Clinic IC Fundeni with the patients' consent, or from the specialized bibliography.
Lectures 3: Craniofacial pain, disorders of consciousness, epilepsy		2 HOURS The cases presented are either from the pathology of the Neurology Clinic IC Fundeni with the patients' consent, or from the specialized bibliography.
Lecture 4: part1 Stroke – ischemic, haemorrhagic, cerebral venous thrombosis – risk factors, semiology, diagnosis, management and implications in dental management part 2 Demyelinating diseases and brain tumors		2 HOURS The cases presented are either from the pathology of the Neurology Clinic IC Fundeni with the patients' consent, or from the specialized bibliography.
Lecture 5: Neurodegenerative diseases: Alzheimer's dementia, Parkinson's disease, Amyotrophic lateral sclerosis (ALS): semiology, diagnosis, therapeutic management, evolution, and prognosis.		2 HOURS The cases presented are either from the pathology of the Neurology Clinic IC Fundeni with the patients' consent, or from the specialized bibliography.
Lecture 6: Pathology of the peripheral nervous system, the neuromuscular junction, and the muscles		2 HOURS The cases presented are either from the pathology of the Neurology Clinic IC Fundeni with the patients' consent, or from the specialized bibliography.
Lecture 7: Neuroinfections		2 HOURS The cases presented are either from the pathology of the Neurology Clinic IC Fundeni with the patients' consent, or from the specialized bibliography.

Recent Bibliography

1. Neurological diseases. Implications in medical and dental practices. First Edition Armin Ariana. Ed.Thieme. 2019
2. Neuroscience for dentistry. Laura Barritt. Ed Thieme. 2022
3. Fundamentals of neurology, M. Mumenthaler, H. Mattle, E. Taub, Thieme, 2nd Edition, 2017
4. Adam's and Victor's Principles of neurology, A.H. Ropper, R.H. Brown., McGraw-Hill Professional; 12th Edition, 2023.
5. Continuum. Lifelong learning in neurology

8.2. Laboratory/ practical lesson	Teaching methods	Observations
Practical class 1: Semiology of cranial nerves I, II, III, IV, V, VI	Presentation of methods for examining the cranial nerves and diagnosing cranial nerve pathologies, along with illustrative clinical case presentations at the patient's bedside, interactive discussions, and PowerPoint presentations illustrating neurological examination methods and clinical cases.	4 HOURS The cases presented are either from the pathology of the Neurology Clinic at IC Fundeni with patient consent, or from specialized bibliography.
Practical class 2: Semiology of cranial nerves VII–XII, semiotics of motor function, extrapyramidal syndromes		4 HOURS The cases presented are either from the pathology of the Neurology Clinic at IC Fundeni with patient consent, or from specialized bibliography.
Practical class 3: Disorders of consciousness, disorders of cognitive functions, disorders of memory and attention		4 HOURS The cases presented are either from the pathology of the Neurology Clinic at IC Fundeni with patient consent, or from specialized bibliography.
Practical class 4: Cerebellar syndromes, sensory disorders, meningeal signs, involuntary movements		4 HOURS The cases presented are either from the pathology of the Neurology Clinic at IC Fundeni with patient consent, or from specialized bibliography.
Practical class 5: Epilepsy; neurological emergencies		4 HOURS The cases presented are either from the pathology of the Neurology Clinic at IC Fundeni with patient consent, or from specialized bibliography.
Practical class 6: Neurological pathology and its interrelations with dental pathology – part 1		4 HOURS The cases presented are either from the pathology of the Neurology Clinic at IC Fundeni with patient consent, or from specialized bibliography.
Practical class 7: Neurological pathology and its interrelations with dental pathology – part 2		4 HOURS The cases presented are either from the pathology of the

		Neurology Clinic at IC Fundeni with patient consent, or from specialized bibliography.

Recent Bibliography

1. Neurological diseases. Implications in medical and dental practices. First Edition Armin Ariana. Ed.Thieme. 2019
2. Neuroscience for dentistry. Laura Barritt. Ed Thieme. 2022
3. Fundamentals of neurology, M. Mumenthaler, H. Mattle, E. Taub, Thieme, 2nd Edition, 2017
4. Adam's and Victor's Principles of neurology, A.H. Ropper, R.H. Brown., McGraw-Hill Professional; 12th Edition, 2023.
5. Continuum. Lifelong learning in neurology

9. Evaluation

Activity type	**9.1. Evaluation criteria**	**9.2. Evaluation methods**	**9.3. Percentage in the final grade**
9.4. Lecture	Assessment of knowledge related to neurological semiology and pathology with implications in dental medicine.	Final written theoretical exam	75%
9.5. Seminary/ practical activity	Assessment of knowledge related to neurological examination with implications in dental practice	Final practical oral exam evaluating knowledge of clinical patient examination	25%
9.5.1. Individual project (if applicable)	-	-	-
9.6. Minimum performance standard			
To pass the exam, a minimum final grade of 5 (five) is required on both the final theoretical exam and the final practical exam, which correspond to basic knowledge about neurological semiology and pathology.			

Date of completion: 24.07.2026	**Signature of the course holder Prof.dr Octaviana Adriana Dulamea**	**Signature of the laboratory holder Prof.dr. Octaviana Adriana Dulamea**

Date of approval by the Department Council:

06.11.2026

Signature of the Department Director
Professor Ionescu Ecaterina, PhD